Claim Amendments

Please cancel claims 7 and 8, amend claims 1, 2, 5, 6, 9, 10, 14, 17-26 and add new claims 28 and 29 as follows:

1. (currently amended) A method comprising:

retrieving ~~in a decoder~~ information indicative of a type of scene transition from an encoded [[video]] bitstream ~~for identifying the type of scene transition, wherein the encoded video bistream comprises a video sequence~~, the video sequence comprising at least a first scene and a second scene, the second scene comprising a scene transition from the first scene, wherein the scene transition comprises a number of frames and the scene transition is one of a number of scene transition types, wherein the scene transition types comprise at least one of gradual scene transition types; and

~~applying in a decoding process an error concealment procedure to conceal an error in a frame belonging to the scene transition based on the identified type of scene transition~~ identifying the type of scene transition based on the information for error concealment purposes.

2. (currently amended) A method according to claim 1, wherein the scene transition types further comprise a scene cut and the identified type of scene transition is [[a]] the scene cut.

3. (original) A method according to claim 2, wherein if a whole picture belonging to the scene cut is lost, the lost picture is not concealed.

4. (original) A method according to claim 2, wherein if part of a picture belonging to the scene cut is lost or corrupted, a spatial error concealment algorithm is applied to conceal the lost or corrupted part of the picture.

5. (currently amended) A method according to claim 1, wherein the identified type of scene transition is one of the [[a]] gradual scene transition types.

6. (currently amended) A method according to claim 5, wherein the gradual scene transition types comprise is a fade, a dissolve, and a wipe.

7. (canceled)

8. (canceled)

9. (currently amended) A method according to claim 5, wherein if a whole picture belonging to the gradual scene transition is lost or corrupted, a spatio-temporal error concealment algorithm is applied to conceal the lost or corrupted part of the picture.

10. (currently amended) A method according to claim 5, wherein if part of a picture belonging to the gradual scene transition is lost or corrupted, a spatio-temporal error concealment algorithm is applied to conceal the lost or corrupted part of the picture.

11. (original) A method according to claim 1, wherein information indicative of the identified scene transition is provided to a decoder in a supplemental enhancement information message so as to allow the decoder to conceal the error based on said information.

12. (original) A method according to claim 11, wherein said information indicative of the identified scene transition includes an indication of a scene transition type.

13. (original) A method according to claim 11, wherein said information indicative of the identified scene transition is provided for each frame belonging to the transition.

14. (currently amended) A video encoding apparatus comprising:

an identifier module for identifying frames associated with a scene transition, wherein the apparatus configured for encoding a video sequence into an encoded ~~video data stream~~ bitstream, the video sequence comprising at least a first scene and a second scene and having the scene transition from the first scene, wherein the scene transition comprises a number of frames and the scene transition is one of a number of scene transition types, wherein the scene transition types comprise at least one of gradual scene transition types; and

a multiplexing module for providing information ~~for use in a decoding process about~~ indicative of the type of scene transition in the encoded ~~video data stream~~ bitstream~~, wherein the provided information is used for an error concealment process~~ for error concealment purposes.

15. (previously presented) A video encoding apparatus according to claim 14, wherein said information is provided in a supplemental enhancement information message.

16. (previously presented) A video encoding apparatus according to claim 15, wherein said information is provided for each frame belonging to the transition.

17. (currently amended) A video decoding apparatus comprising:

a demultiplexer module for retrieving information identifying a type of scene transition from an encoded ~~video data stream~~ bitstream, wherein the apparatus is configured to receive the encoded ~~video data stream~~ bitstream and to decode a video sequence from the encoded bitstream ~~video data stream~~, the video sequence comprising at least a first scene and a second scene and the second scene comprising the scene transition from the first scene, wherein the scene transition comprises a number of frames and the scene transition is one of a number of scene transition types, wherein the scene transition types comprise at least one of gradual scene transition types, and wherein the demultiplexer module is configured to provide the information indicative of the identified type of scene transition so as to allow an error concealment algorithm to conceal ~~in a decoding process~~ an error in a frame belonging to the transition based on the type of scene transition.

18. (currently amended) A video decoding apparatus according to claim 17, wherein the type of scene transition is retrieved from a supplemental enhancement information message in the encoded ~~video data stream~~ bitstream.

19. (currently amended) A video decoding apparatus according to claim 17, wherein ~~the type of scene transition is a gradual scene transition and~~ a whole picture belonging to the gradual scene transition is lost or corrupted, said error concealment algorithm comprising a spatio-temporal error concealment algorithm for concealing the lost or corrupted picture.

20. (currently amended) A video decoding apparatus according to claim 17, wherein ~~the type of scene transition is a gradual scene transition and~~ a part of a picture belonging to the gradual scene transition is lost or corrupted, said error concealment algorithm comprising a spatio-temporal error concealment algorithm for concealing the lost or corrupted part of the picture.

21. (currently amended) A video decoding apparatus according to claim 17, wherein the ~~type of~~ scene transition types further comprise [[is]] a scene cut and a part of a picture belonging to the scene cut is lost or corrupted, said error concealment algorithm comprising a spatial error concealment algorithm for concealing error in the picture.

22. (currently amended) A video decoding apparatus according to claim 17, wherein the ~~type of~~ scene transition [[is]] types further comprise a scene cut and a whole picture belonging to the scene cut is lost or corrupted, said error concealment algorithm adapted to ignore the lost or corrupted picture.

23. (currently amended). A video decoding apparatus comprising:

means for receiving an encoded ~~video data stream~~ bitstream, wherein the encoded ~~video data stream~~ bitstream comprising a video sequence, the video sequence comprising at least a first scene and a second scene and having a scene transition from the first scene, wherein the scene transition comprises a number of frames and the scene transition is one of a number of scene transition types, wherein the scene transition types comprise at least one of gradual scene transition types,

means for retrieving information from the received encoded ~~video data stream~~ bitstream to identify the type of scene transition, and

means for concealing ~~in a decoding process~~ an error in a frame belonging to the transition based on the information indicative of the identified type of scene transition.

24. (currently amended) A video encoding apparatus comprising:

means for identifying frames associated with a scene transition, wherein the video encoding apparatus is configured for encoding a video sequence into an encoded ~~video data~~

~~stream~~ bitstream, the video sequence comprising at least a first scene and a second scene and having the scene transition from the first scene, wherein the scene transition comprises a number of frames and the scene transition is one of a number of scene transition types, wherein the scene transition types comprise at least one of gradual scene transition types; and

means for providing information ~~for use in a decoding process about~~ indicative of the type of transition in the encoded ~~video data~~ stream~~, wherein the provided information is used for an error concealment process~~ for error concealment purposes.

25. (currently amended) A method for encoding a video sequence into an encoded ~~video data stream~~ bitstream, comprising:

identifying frames associated with a scene transition, wherein the video sequence comprises at least a first scene and a second scene and having a scene transition from the first scene, wherein the scene transition comprises a number of frames and the scene transition is one of a number of scene transition types, wherein the scene transition types comprise at least one of gradual scene transition types; and

providing information ~~for use in a decoding process about~~ indicative of the scene transition type in the encoded ~~video data stream~~ bitstream~~, wherein the provided information is used for an error concealment process~~.

26. (currently amended) A method according to claim 25, wherein said information is provided in a ~~supplemental enhancement information~~ message.

27. (previously presented) A method according to claim 25, wherein said information is provided for each frame belonging to the scene transition.

28. (new) A method according to claim 1, further comprising:

applying an error concealment procedure to conceal an error in a frame belonging to the scene transition based on the identified type of scene transition.

29 (new) A method according to claim 25, wherein the information is used in an error concealment process.